

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	5	("5616996"   "5736797"   "5866998"   "5943214"   "6031316").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/17 15:33
L6	97	(sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5 and voltage not (zero adj cross\$4 or zero-cross\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 15:39
L7	25	(US-20060044664-\$ or US-20050258788-\$ or US-20050189892-\$ or US-20050067986-\$ or US-20040131342-\$ or US-20040080293-\$ or US-20040056628-\$ or US-20040183490-\$ or US-20020121870-\$).did. or (US-6462491-\$ or US-6979970-\$ or US-6946808-\$ or US-6922032-\$ or US-6900604-\$ or US-6771033-\$ or US-6680590-\$ or US-5943214-\$ or US-6122131-\$ or US-6111372-\$ or US-6064175-\$ or US-5777449-\$ or US-5689159-\$ or US-5166583-\$). did. or (EP-840439-\$ or EP-730341-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/03/17 16:18
L14	23	(US-20060044664-\$ or US-20050258788-\$ or US-20050189892-\$ or US-20050067986-\$ or US-20040131342-\$ or US-20040080293-\$ or US-20040056628-\$ or US-20040183490-\$ or US-20020121870-\$).did. or (US-6462491-\$ or US-6979970-\$ or US-6946808-\$ or US-6922032-\$ or US-6900604-\$ or US-6771033-\$ or US-6680590-\$ or US-5943214-\$ or US-6122131-\$ or US-6111372-\$ or US-6064175-\$ or US-5777449-\$ or US-5689159-\$ or US-5166583-\$). did. or (EP-840439-\$ or EP-730341-\$).did. and (zero adj cross\$5 or zero-cross\$5)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 16:17
L15	4	(EP-840439-\$ or EP-730341-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/03/17 16:25

## EAST Search History

L16	1	"2001178183"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/03/17 16:28
L19	3	"2000069792"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:30
L20	3	"2001095294"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:31
L21	2	"2000232800"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:31
L22	0	"8186995"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:32
L23	2	"08186995"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:33
L24	3	"01103194"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/03/17 16:33
L25	2	("6515443" or "6906485").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 17:35
L26	4792	318/254.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 17:55
L27	1489	318/439.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 17:55
L28	390	318/721.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 17:57
L29	1	"6901212".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 18:03
L30	1	"5869944".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 18:03

## EAST Search History

S1	151	("5569995" "5608300" "5998946" "6229663" "4355268" "4780651" "4977507" "5017845" "5239719" "5576536" "5687612" "5690580" "5907225" "6118247" "4292572" "4309643" "4370690" "4389923" "4396876" "4420716" "4467250" "4510423" "4594878" "4633154" "4788526" "4842476" "4843296" "4885655" "4890277" "4894652" "4900993" "4947088" "5206567" "5218253" "5218491" "5260811" "5287026" "5298839" "5420664" "5475465" "5491393" "5521475" "5589722" "5623190" "5625269" "5631487" "5660077" "5689483" "5689181" "5752209").pn. ("5757152" "5760572" "5801504" "5818184" "5821723" "5869944" "5895100" "5926347" "5942865" "5969496" "5973469" "5984042" "5990643" "5990642" "6009362" "6023140" "6041163" "6043618" "6050393" "6091221" "6098594" "6142899" "6163118" "6169381" "6191545" "6194865" "6204636" "6220045" "6220045" "6236172" "6335572" "6384555" "6396225" "6401690" "6427100" "6462491" "6465974" "6469463" "6478571" "6483266" "6496319" "6543416" "6552505" "6570351" "6624602" "6642681" "6661598" "6684850" "6703807" "6715301").pn. ("6922302" "6937429" "6998815" "7004018" "7005819" "7006413" "4549126" "5208522" "5721474" "5726543" "6013994" "4465351" "4513231" "4760320" "4998865" "5209315" "5259261" "5367235" "5384522" "5471122" "5540269" "5552682" "5625264" "5644202" "5646464" "5703451" "5717299" "5734244" "5838128" "5857537" "5892340" "5954108" "6021097" "6064175" "6107763" "6129166" "3705775" "3691858" "4012674" "4167988" "4119899" "4249219" "4258638" "4276504" "4276824" "4278337" "4289342" "4305026" "4327654" "4344023").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 10:46
S2	2736	(back adj electromotive or BEMF)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 10:55

## EAST Search History

S3	59	(back adj electromotive or BEMF) and phase adj error	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 10:56
S4	2	S1 and S3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:12
S5	117	(sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and comparator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:13
S6	197	(sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 12:14
S7	195	(sensorless or sensor-less or sensor adj less) and (bemf or back adj electromotive) and compar\$5 and voltage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/17 15:38